



**Regional
Transportation
Authority**

Developing a Sustainable Transit System in Northeastern Illinois

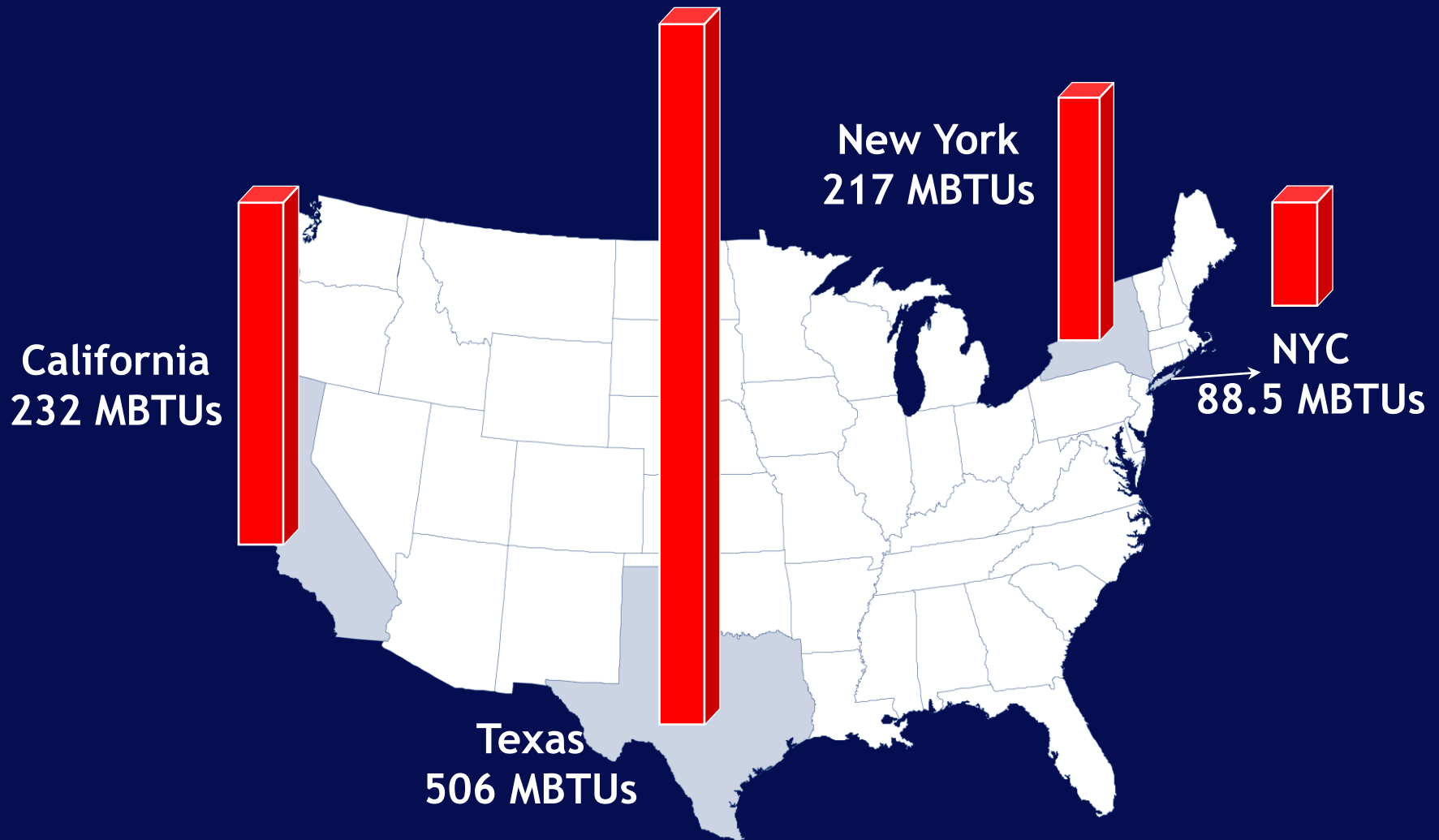
**IDOT Fall Planning Conference
October 15, 2009**



Source: Chicago Climate Action Plan

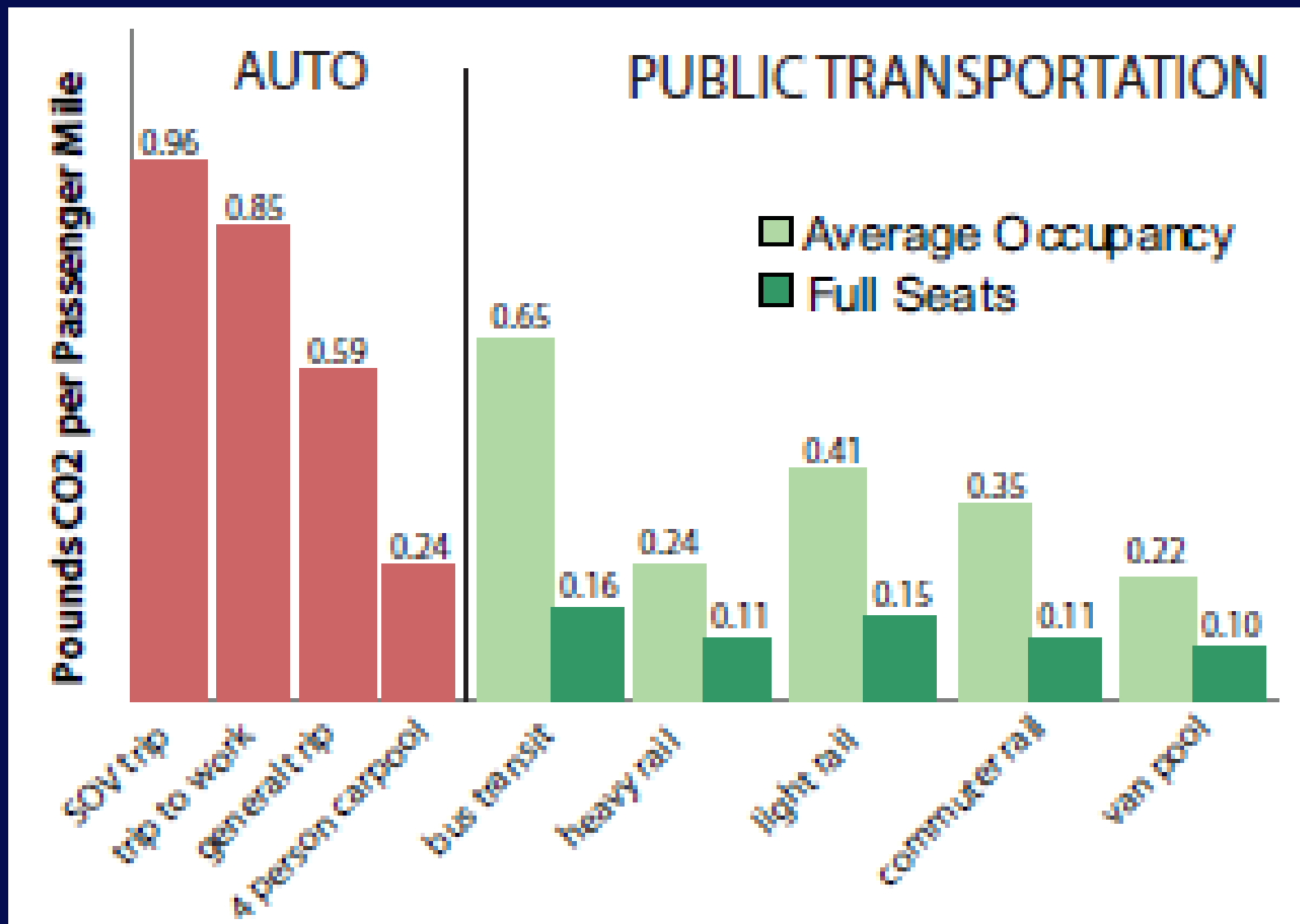
- Global Issue
- Regional Impacts
- Initiatives
 - National
 - State
 - Local

Transit's Role in Energy Reduction



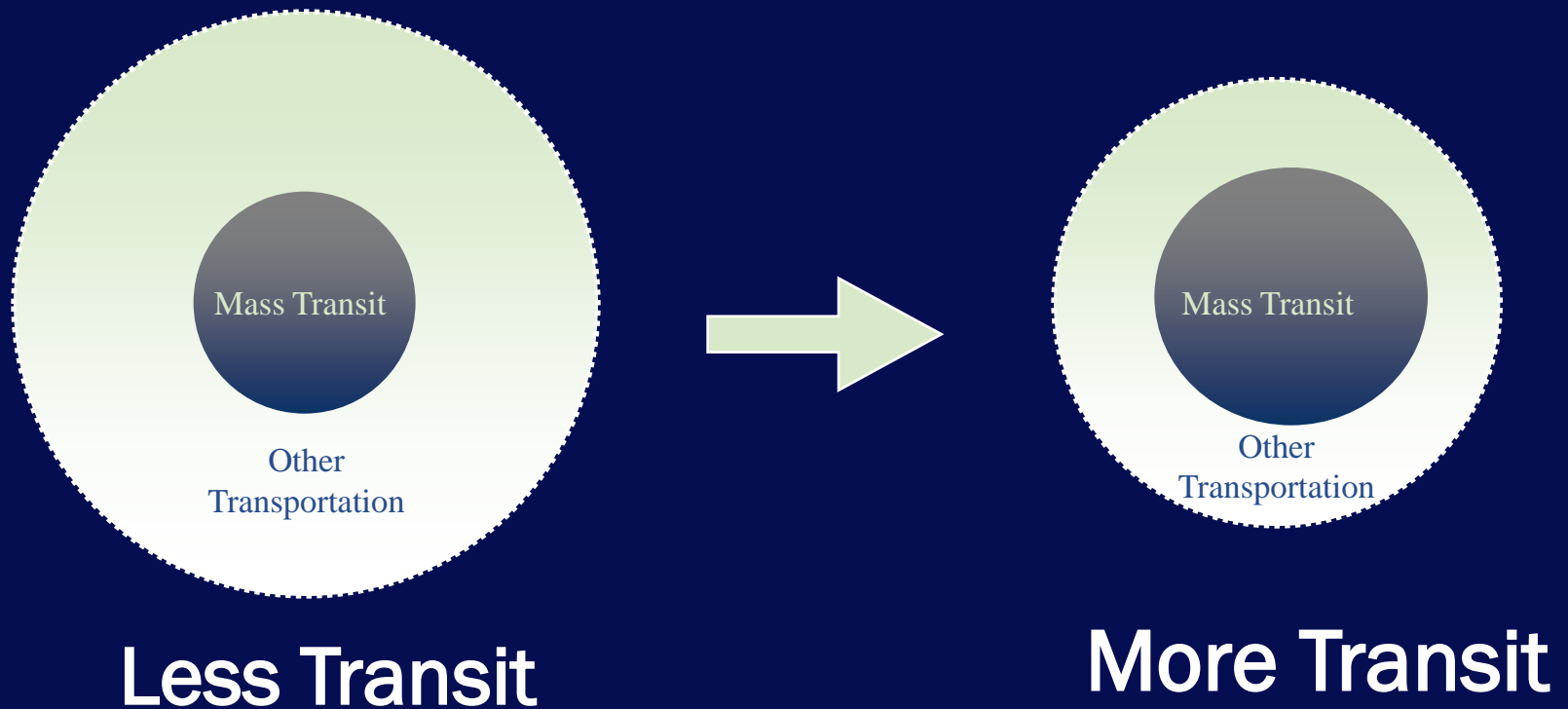
Total Energy Consumption per Capita by State, 2005

Transit Greenhouse Gas Emissions



Transit's GHG Paradox

Regional Transportation GHG Emissions



Source: T. Papandreou, SFMTA

Transit Impact on Climate Change

Emissions Produced by Transit



Emissions Displaced by Transit

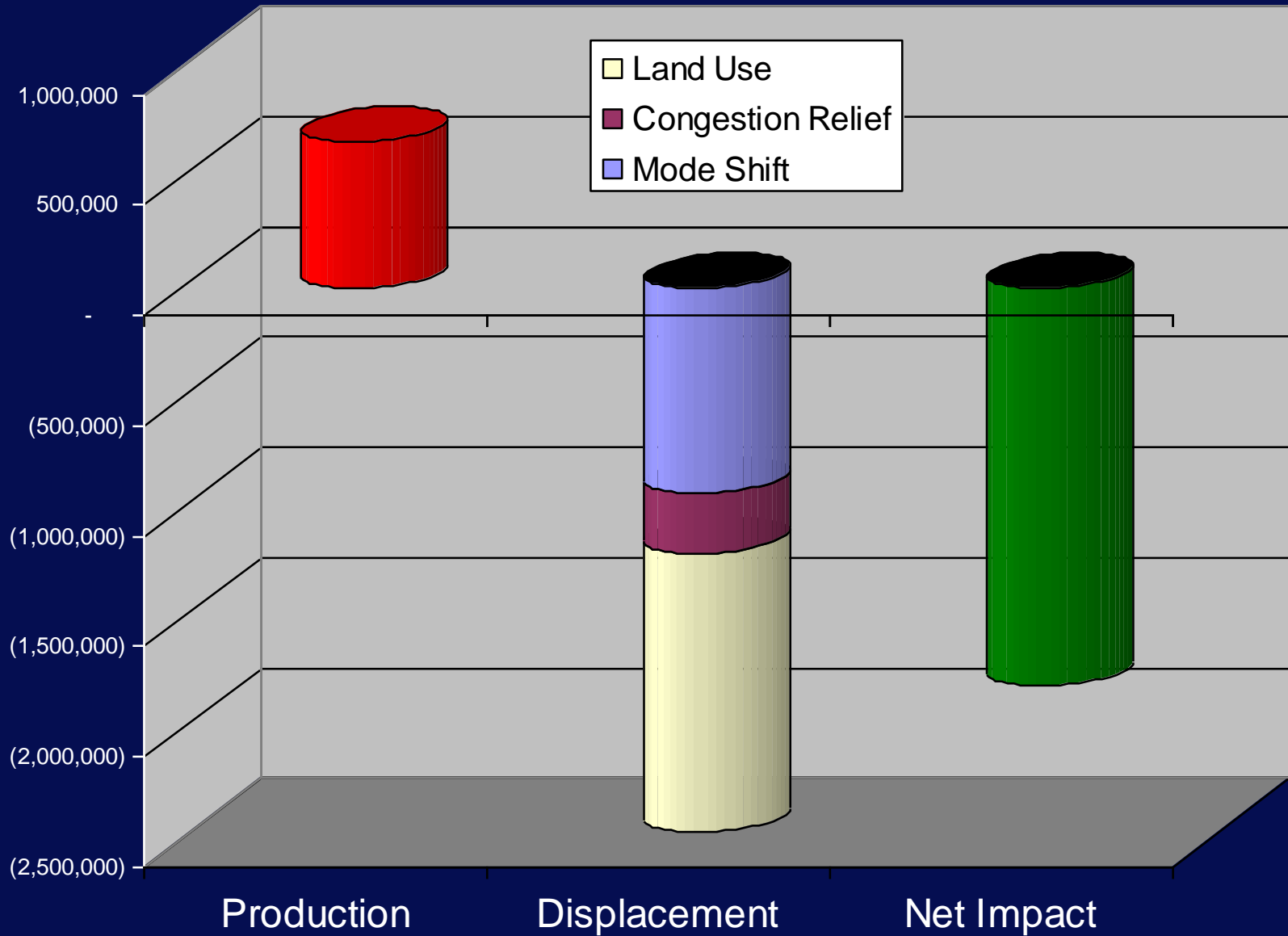


Debit

Credit

**Climate Change
Impacts of Transit**

Net Impact



Regional Green Transit Plan (RGTP)

- RTA Resolution to Develop RGTP – May 2009
- IDOT State Planning and Research Grant
- Regional Working Group
 - CTA, Metra, Pace, IDOT, CMAP, CDOT, CDOE
- RTA Resolution to Approve Contract with Booz Allen Hamilton – August 2009
- Supports Moving Beyond Congestion goals
 - Environmental protection and sustainability
 - Enhance efficiencies
 - Demonstrate value of transit

Regional Green Transit Plan (RGTP)

- Plan Goals
 - Demonstrate value of transit as emissions reduction strategy
 - Promote transit's role in regional carbon emissions reduction
 - Position region to receive discretionary funding
- Plan Objectives
 - Calculate net environmental benefits of transit in region
 - Assess best practices in transportation sustainability
 - Quantify emission reduction potential for transit
 - Establish emissions reduction and sustainability goals
 - Recommend strategies to achieve regional goals

Scope of RGTP

- Energy
- Carbon
- Land Use
- Water
- Facilities
- Materials
- Legislative



Anticipated Benefits

- Increased ridership
- Improved operating efficiencies
- Enhanced funding & revenue potential
 - Discretionary funding programs
 - Livable Communities
 - TIGGER
 - Formula funding through reauthorization
 - Cap-and-Trade market

Other Climate Related Initiatives

- Federal Climate Legislation
- Federal Transportation Reauthorization
- Chicago Climate Action Plan Implementation
- CMAP GoTo2040
- RTA Funding Programs
- Municipal Sustainability Plans



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